

Message Text

CONFIDENTIAL

PAGE 01 STATE 094753
ORIGIN DOE-15

INFO OCT-01 NEA-10 ISO-00 SOE-02 ACDA-12 OES-07 PM-05
CIAE-00 INR-10 IO-13 L-03 NSAE-00 NSC-05 EB-08
NRC-05 DODE-00 SS-15 SP-02 CEQ-01 /114 R

DRAFTED BY USDOE:ET:CBASTIN:LFB
APPROVED BY OES:NET:DHOYLE
USDOE:IA:SCEJA
USDOE:ET:MLAWRENCE
USDOE:IA:HBENGELSDORF
NEA/INS: J R GRAHAM
ACDA: T GRAHAM
T/D: D WELCH
OES/NET/EIC: D H COOPER
PM/NPP: A LOCKE (INFO)
-----123434 131545Z /53
P 131509Z APR 78
FM SECSTATE WASHDC
TO AMCONSUL BOMBAY PRIORITY
INFO AMEMBASSY NEW DELHI PRIORITY

C O N F I D E N T I A L STATE 094753

E.O. 11652:GDS

TAGS: TECH, ENGR, IN

SUBJECT: TARAPUR SPENT FUEL STORAGE

REF: NEW DELHI 4167

1. FOLLOWING ARE DEPARTMENT AND DOE COMMENTS ON TARAPUR
POWER REACTOR RERACKING ESTIMATES DISCUSSED IN REFTTEL.

2. INSTALLATION OF FULL COMPLEMENT OF HIGH DENSITY BORAL
POISONED RACKS IN THE EXISTING TARAPUR SPENT FUEL STORAGE
CONFIDENTIAL

CONFIDENTIAL

PAGE 02 STATE 094753

POOLS AS PROPOSED BY GE (DOE CONTRACTOR ON THIS PROJECT)
WOULD PROVIDE STORAGE CAPACITY FOR ABOUT 2500 ASSEMBLIES
AND WOULD PROBABLY COST ABOUT 3 MILLION DOLLARS. THIS
AGREES WITH SHANKAR ESTIMATE BUT IS ALSO CONSISTENT WITH
KIEFER ESTIMATE WHICH WAS FOR A SMALLER INSTALLATION AND
WITH GE QUOTE OF \$931,000 FOR 1100 ASSEMBLY INSTALLATION IF
ESCALLATION IS CONSIDERED.

3. BORAL POISONED RACK INSTALLATION WOULD PROVIDE STORAGE FOR AT LEAST TEN YEARS OF ADDITIONAL FUEL DISCHARGES OR ABOUT 12 YEARS IF RESERVE SPACE FOR FULL CORE DISCHARGE IS SACRIFICED FOR LAST TWO YEARS.

4. INSTALLATION OF FULL COMPLEMENT OF STAINLESS STEEL

"FLUX TRAP" RACKS (GE MODIFICATION OF TAPS CONCEPT PROPOSED FOR INTERIM USE) WOULD PROVIDE CAPACITY FOR 1600 ASSEMBLIES, COULD BE FABRICATED WHOLLY WITHIN INDIA AND THEREFORE THE COST WOULD BE CONSIDERABLY LESS THAN THAT OF THE BORAL DESIGN. THE COST COULD BE IN THE RANGE OF ONE MILLION DOLLARS. THIS TYPE INSTALLATION WOULD PROVIDE STORAGE FOR ABOUT FIVE YEARS OF ADDITIONAL DISCHARGES OR ABOUT SEVEN YEARS IF RESERVE SPACE FOR FULL CORE DISCHARGE IS SACRIFICED FOR LAST TWO YEARS.

5. GENERAL ELECTRIC ON MARCH 16 SENT LETTER TO KHOTARE TAPS SUPERINTENDENT (COPY TO CONGEN BOMBAY) ADVISING HIM OF DEFICIENCIES IN TAPS CONCEPT FOR INTERIM RACK AND ENCLOSING SCHEDULE AND DESIGN INFORMATION OF GE MODIFICATION OF TAPS CONCEPT. INSTALLATION OF AT LEAST TWO OF THESE RACKS IS MOST CRITICAL NEAR TERM NEED.

6. GE'S LETTER ALSO ADVISED THAT FINAL DRAWINGS AND CONFIDENTIAL

CONFIDENTIAL

PAGE 03 STATE 094753

PROCUREMENT SPECIFICATIONS FOR STORAGE RACK TUBES WILL BE PROVIDED TO DOE BY APRIL 15 AND WILL BE REVIEWED WITH TAPS PERSONNEL IN BOMBAY SHORTLY THEREAFTER. THIS INFORMATION WILL PERMIT INITIATION OF PROCUREMENT FOR TUBES. DRAWINGS AND PROCUREMENT SPECIFICATIONS FOR ENTIRE RACK IS SCHEDULED TO BE PROVIDED IN EARLY JUNLY DOE OFFICIALS DO NOT INTEND TO ACCOMPANY GE FOR THESE DISCUSSIONS ON TUBES BUT BELIEVE CONGEN AND STAFF CAN HANDLE. IF NECESSARY, C. BASTIN WHO IS THE DOE TECHNICAL LEAD ON THIS PROJECT CAN BE CONTACTED AT 301-353-2964 OFFICE, OR 717-794-2294 HOME.

7. IT IS EXPECTED THAT DOE WILL BE REPRESENTED AT A FUTURE MEETING TENTATIVELY SCHEDULED FOR JULY TO REVIEW: DESIGN OF ENTIRE INTERIM RACK, PLANS FOR REMOVAL OF EXISTING RACKS, ULTIMATE RACK DESIGN AND THE OVERALL TECHNICAL ASSISTANCE PROGRAM. CHRISTOPHER

CONFIDENTIAL

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: STORAGE, NUCLEAR FUELS, NUCLEAR POWER PLANTS
Control Number: n/a
Copy: SINGLE
Draft Date: 13 apr 1978
Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 20 Mar 2014
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1978STATE094753
Document Source: CORE
Document Unique ID: 00
Drafter: ET:CBASTIN:LFB
Enclosure: n/a
Executive Order: GS
Errors: N/A
Expiration:
Film Number: D780159-0340
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1978/newtext/t19780461/aaaabzjc.tel
Line Count: 111
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 01eb39b1-c288-dd11-92da-001cc4696bcc
Office: ORIGIN DOE
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: 78 NEW DELHI 4167
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 13 may 2005
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2980863
Secure: OPEN
Status: NATIVE
Subject: TARAPUR SPENT FUEL STORAGE
TAGS: TECH, ENRG, IN
To: BOMBAY
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/01eb39b1-c288-dd11-92da-001cc4696bcc
Review Markings:
Sheryl P. Walter
Declassified/Released
US Department of State
EO Systematic Review
20 Mar 2014
Markings: Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014